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INFORMATION REPORT INFORMATION REPORT

CENTRAL INTELLIGENCE AGENCY

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50X1-HUM

COUNTRY East Germany

REPORT

SUBJECT New Van de Graaff Generator
at Miersdorf Institute

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SOURCE EVALUATIONS ARE DEFINITIVE. APPRAISAL OF CONTENT IS TENTATIVE.

1. [redacted] a photograph of the new 4,000,000 electron volt Van de Graaff generator nearing completion at the laboratory of Dr. Otto Baier of the Miersdorf Institute. The generator column itself is 3.50 meters high and, when the outer housing has been installed, it will have an over-all height of 5.30 meters. The outer diameter of the column is 95 cm. The generator has a total of four bands, two of which are readily visible in the attached photograph. The others are contained within the column and have somewhat smaller circumferences. Two accelerator tubes, also developed in Baier's laboratory, will be installed in the oval slot at the top of the column between the two bands pictured. 50X1-HUM

2. Although Baier has admitted frankly to colleagues that his generator is a copy of U. S. models, he has been heard to claim that his model incorporates a significant improvement. It is possible to gain entry to all four bands for repair and replacement without hoisting the column with a derrick or doing any major dismantling of the generator itself.

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(Note: Washington distribution indicated by "X"; Field distribution by "#".)

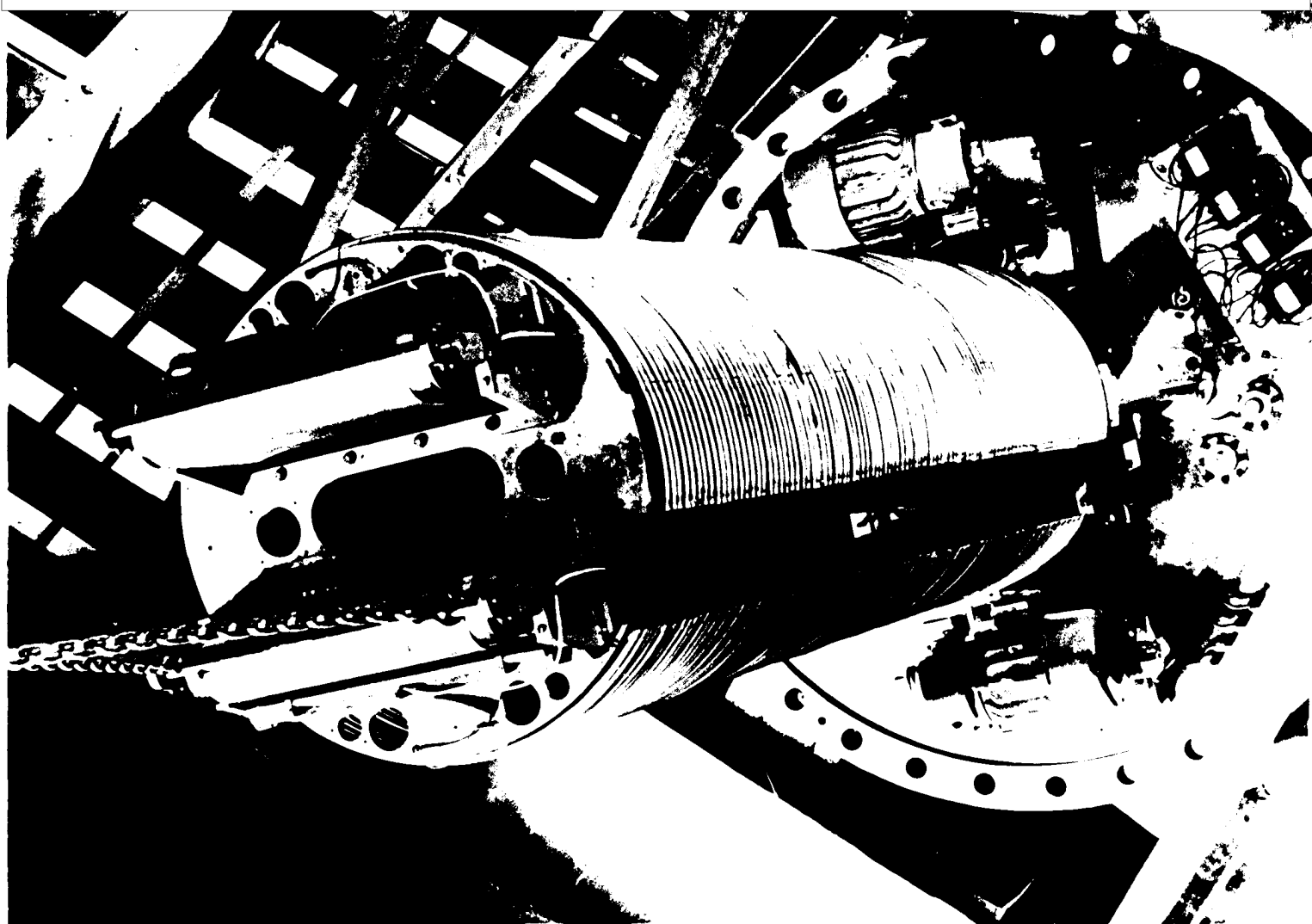
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VAN DE GRAAFF GENERATOR AT MIERSDORF INSTITUTE.



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